

# DEPARTMENT OF ELECTRICAL ENGINEERING, NATIONAL TAIPEI

## UNIVERSITY OF TECHNOLOGY

### Scoring Regulations on Research results for Technical Orientation Postgraduate Students

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- I. The “Scoring Regulations on Research results for Technical Orientation Postgraduate Students” (hereafter referred to as “the Regulations”) for Technical Orientation Postgraduate students(hereafter referred to as “Postgraduate students”) for the Department of Electrical Engineering of the National Taipei University of Technology (hereafter referred to as “the Department”) is established to evaluate the research results of Postgraduate students based on Article 3 Item 4 of the “PhD examination regulations of the National Taipei University of Technology”. The Regulations are for patents, industry and education projects, technology transfer, international invention awards, and academic papers.
- II. Industry and education projects matching the conditions below may count into scores; the same research result can’t be repeated scoring.
  - A. The project has been closed (Cross-year project must be based on the end of the year.)
  - B. The project must be taken during the period of schooling with the name of the University. The content must be within the research scope of the student’s dissertation.
  - C. The host must be the Advisor.
  - D. The project must be drafted plan by the postgraduate student which undertakes from industries or the government.
- III. Patents matching the conditions below may count into scores; the same research result can’t be repeated scoring.
  - A. Obtained patents.
  - B. The patents must be applied during the period of schooling with the name of the University. The content must be within the research scope of the student’s dissertation.
- IV. Technology transfers matching the conditions below may count into scores; the same research result can’t be repeated scoring.
  - A. Technology transfer paid amount.
  - B. The technology transfer must be signed the contract during the period of schooling with the name of the University. The content must be within the research scope of the student’s dissertation.
  - C. The contractor must be the Advisor.
  - D. The technology transfer project must be the obtained invention patent content, or the derivative of the taken project.
- V. International invention awards matching the conditions below may count into scores; the same research result can’t be repeated scoring.
  - A. The Top 3 international invention awards are Invention & New Product Exposition (INPEX), Exhibition of Inventions Geneva-Palexpo, and International Trade Fair "Ideas-Inventions-New Products"(IENA). Other international famous exhibitions include International Invention, Innovation & Technology Exhibition(ITEX), Seoul International Invention Fair (SIIF), The British Invention Show(BIS), International Warsaw Invention Show(IWIS), International Salon of Inventions & New Technologies, , the World Genius Convention and Education Expo in Tokyo, Concours Lepine International Paris, Italy-San Marino: recognition of trademarks and patents, Taipei International Invention Show & Technomart (TIIST). Still other international invention exhibitions are recognized by the announcement of the Intellectual Property Office.
  - B. The project must be exhibited during the period of schooling with the name of the University. The content must be within the research scope of the student’s dissertation.

- VI. Academic Papers include full dissertations, short dissertations, conference papers, etc. Papers matching the conditions below may count into scores; the same research result can't be repeated scoring.
- A. Papers must be submitted during the period of schooling with the name of the University. The content must be within the research scope of the student's dissertation.
  - B. Published or accepted papers must take the name of the Department of Electrical Engineering of the National Taipei University of Technology as the first publication unit. The advisor must be the co-author.

The scoring system for papers are listed below. (Note: the system differs from the system of the academic-orientation class)

- A. A-class dissertations: 4 points. The ranking of top 50% on the SCI or SSCI journals in their specific domains from two years prior to the submission date to the date of acceptance.
- B. B-class dissertations: 3 points. SCI dissertations.
- C. C-class dissertations: 2 points. EI dissertations published with English.
- D. D-class dissertations: 1~2 points. Significant papers published at the international conference and general journals published with English.

VII. Points for the research results from the second clause to the fifth clause listed below.

- A. A-class technology: 4 points.
  - (1) The amount of money for the industry and education projects cumulates up to NTD 10000,000.
  - (2) The invention patents in the U.S.A., Europe, and Japan.
  - (3) The amount of money for the technology transfers cumulates up to NTD 1500,000.
- B. B-class technology: 3 points.
  - (1) The amount of money for the industry and education projects cumulates up to NTD 8000,000.
  - (2) The invention patents in Taiwan, China, New Zealand, and Australia.
  - (3) The amount of money for the technology transfers cumulates up to NTD 1200,000.
  - (4) Awarded the Gold Medal in the Top 3 international invention expos.
- C. C-class technology: 2 points.
  - (1) The amount of money for the industry and education projects cumulates up to NTD 5000,000.
  - (2) The amount of money for the technology transfers cumulates up to NTD 750,000.
  - (3) Awarded the Gold Medal in the famous international invention expos.
  - (4) Awarded the Silver Medal or Bronze Medal in the Top 3 international invention expos.
- D. D-class technology: 1 point.
  - (1) The amount of money for the industry and education projects cumulates up to NTD 3000,000.
  - (2) The amount of money for the technology transfers cumulates up to NTD 450,000.
  - (3) Awarded the Silver Medal or Bronze Medal in the famous international invention expos.

VIII. Points for the multiple-author research results from the second clause to the sixth clause are as follow:

- A. First authors receive all due points.
  - B. Second authors receive half of the due points.
  - C. Third authors receive one third of the due points.
- Advisors must decide their author rank in the academic dissertations.

IX. Postgraduate students must receive the following number of points for graduation:

- A. Students who wish to graduate within three years or less must attain a total of 9 points or more, plus meet the conditions below:
  - (1) Have taken the amount of money for the industry and education projects cumulating up to NTD 5000,000.
  - (2) A-class technology.
  - (3) B-class dissertation.
- B. Students who wish to graduate after three years must attain a total of 8 points or more, plus meet the conditions below:

- (1) Have taken the amount of money for the industry and education projects cumulating up to NTD 5000,000.
- (2) A-class technology.
- (3) C-class dissertation.

Or students who attain a total of 9 points or more, plus meet the conditions below:

- (1) Have taken the amount of money for the industry and education projects cumulating up to NTD 5000,000.
- (2) B-class technology.
- (3) D-class dissertation.

C. D-class dissertations may be awarded a maximum of 2 points.

Students who complete the required courses and credits (except for dissertation) as well as passing the qualification test may fill in 電機工程系博士班研究生論文(研究成果)計點審核表. The form is signed by the advisor that students may apply reviews to the Academic Review Committee. The Department Director makes the approval of the form.

As soon as the students pass the review, they are eligible for their dissertation oral examination. The exact time schedule of the dissertation oral examination depends on the advisor concerning students' real research results.

Two members or more of the external committees of the qualification tests for the technical orientation postgraduate students must be the outstanding practical experts in the industry.

- X. The postgraduate students of 2016 at the second term may transfer to regular students permitted by the advisors and the Academic Review Committee. Application may be applied once.
- XI. Matters not mentioned in the present regulations shall be handled in accordance with the decisions of the Department-level Academic Review Committee Meetings, along with the regulations of the University.
- XII. The present regulations shall be implemented following the approval of Department Affairs. The same procedure shall be carried out when amendments are made.

**Table 1: Points for Technical Orientation Postgraduate Students**

	point	Industry and education project	Invention patent	Technology transfer	Invention Expo	graduation after 3 years		
						graduation within 3 years		
A-class technology	4	10000,000	USA Europe Japan	1500,000		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
B-class technology	3	8000,000	Taiwan, China, New Zealand, Australia	1200,000	Awarded the Gold Medal in the Top 3 international invention expos.			<input checked="" type="checkbox"/>
C-class technology	2	5000,000		750,000	(1)Awarded the Gold Medal in the famous international invention expos. (2)Awarded the Silver Medal or Bronze Medal in the Top 3 international invention expos.	Industry and education project <input checked="" type="checkbox"/>	Industry and education project <input checked="" type="checkbox"/>	Industry and education project <input checked="" type="checkbox"/>
D-class technology	1	3000,000		450,000	Awarded the Silver Medal or Bronze Medal in the famous international invention expos.			
A-class dissertation	4	SCI within 50%						
B-class dissertation	3	SCI				<input checked="" type="checkbox"/>		
C-class dissertation	2	EI					<input checked="" type="checkbox"/>	
D-class dissertation	1~2	International conference, general journal						<input checked="" type="checkbox"/>
Graduation point						9	8	9